

**THX Ultra2  
In-Ceiling  
Owner's Manual**



## Important Safety Information

1. READ these instructions.
2. KEEP these instructions.
3. HEED all warnings.
4. FOLLOW all instructions.
5. DO NOT use this apparatus near water.
6. CLEAN ONLY with dry cloth.
7. DO NOT block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. DO NOT install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. DO NOT defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wider blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. PROTECT the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. ONLY USE attachments/accessories specified by the manufacturer.
12. USE only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. UNPLUG this apparatus during lightning storms or when unused for long periods of time.
14. REFER all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as the power-supply cord or plug is damaged, liquid has been spilled, objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. DO NOT expose this apparatus to dripping or splashing and ensure that no objects filled with liquids, such as vases, are placed on the apparatus.
16. To completely disconnect this apparatus from the AC mains, disconnect the power supply cord plug from the AC receptacle.
17. The mains plug of the power supply cord shall remain readily operable.



The exclamation point, within an equilateral triangle, is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.



The lightning flash with arrowhead symbol within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electrical shock to persons.

WARNING: To reduce the risk of fire or electrical shock, do not expose this apparatus to rain or moisture.

WARNING: No naked flame sources – such as candles – should be placed on the product.



WARNING: This product is intended to be operated ONLY from the AC Voltages listed on the back panel or included power supply of the product. Operation from voltages other than those indicated may cause irreversible damage to the product and void the product's warranty. The use of AC Plug Adapters is cautioned because it can allow the product to be plugged into voltages in which the product was not designed to operate. If the product is equipped with a detachable power cord, use only the type provided with your product or by your local distributor and/or retailer. If you are unsure of the correct operational voltage, please contact your local distributor and/or retailer.

CAUTION: Place the equipment near a main power supply outlet and make sure that you can easily access the power breaker switch.

## THX Ultra2 Architectural Speakers

Your new Klipsch THX Ultra2 architectural speakers have been designed to deliver great sound while remaining unobtrusive wherever you install them.

The KL-7502-THX is designed for Left, Center or Right channel use or wherever a monopole speaker is called for, such as surround back channels in Select configurations. The result is a flush-mount speaker that creates a powerful statement in any application.

The KS-7502-THX features a patent-pending horn array, consisting of two Tractrix® Horn-loaded tweeters. It is designed specifically for surround use in home theater applications. The result is a flush-mount speaker that creates enveloping ambient sound fields and localizing specific surround effects through the use of Klipsch's proprietary Wide Dispersion Surround Technology (WDST™). The careful alignment of the two controlled-directivity Tractrix Horn tweeters, angled opposite one another, yields an incredibly wide dispersion pattern from a flush-mount design.

## Minimum Tools Required for Installation

#2 Phillips Screwdriver  
Wire strippers  
Stud finder  
Saw

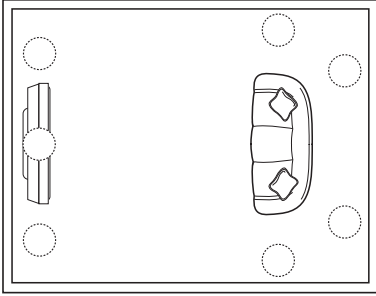
## In-Ceiling Speaker Placement (See Figures 1 and 2)

Designed to function in any standard, Klipsch THX Ultra2 in-ceiling speakers are engineered for years of performance. Minimum construction requirements call for drywall or other mounting surfaces to be at least 1/2" thick.

To maximize performance, install the KL-7502-THX equally spaced to either side of the video display. When being used as a center channel, please locate the speaker as close to the video display as is practical.

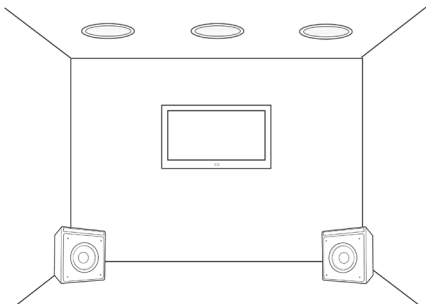
The KS-7502-THX should be installed to either side of the listening position at an equal distance from the listener whenever possible. You may also install them behind the listening position and achieve good results.

**Figure 1**



THX Ultra2 7.1 surround systems utilize a surround back channel in addition to the traditional side surrounds. When configuring such a system it is suggested to use KL-7502 speakers in the surround back location.

**Figure 2**



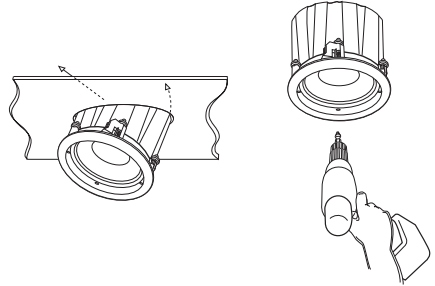
## Speaker Installation

(for New Construction, skip to step #3)

1. Cut the appropriate size opening in the ceiling using the template provided. If the template is not available, cutout dimensions are provided on the Klipsch website, at [www.klipsch.com](http://www.klipsch.com). Sizes listed are minimum. If accuracy of cut cannot be achieved, you may add 1/4" to the dimension. Be careful not to cut through any existing wiring or plumbing. Avoid compromising any fire stops between studs.
2. Run speaker wiring (18 gauge minimum) to the openings. Be sure to comply with all building codes in your area.
3. Attach the wire to the speaker using the wire's color coding or markings as a guide to maintain proper polarity.

4. Insert the speaker assembly into the opening and attach by tightening the Phillips screws (see illustration). The frame's "dogs" will swivel out and "sandwich" the ceiling and frame together as they are tightened. If you use a power tool to tighten these screws, please use a low torque setting. Failure to do so could result in damage to your speaker (see Figure 3)

**Figure 3**



5. At this point, you may paint the speaker grille before attaching it to the speaker. Klipsch speakers and grilles are designed to accept most types of paint. Use the supplied clear paint shield to protect the speaker baffle and drivers when painting the bezel of the speaker. Care should be taken to avoid excessive paint build-up in the grille perforations. Please remove the scrim material attached to inner surface of the grille by carefully peeling it out prior to painting. Reinstall scrim after the paint on the grille is dry.
6. Press the grille into place.

## Warranty – U.S. and Canada

Klipsch warrants to the original retail purchaser that this product is to be free from defective materials and workmanship for a period of five (5) year, from the date of purchase, if it is properly used and maintained. If this product proves defective in either material or workmanship, Klipsch, at its option, will (a) repair the product, or (b) replace the product, at no charge for parts or labor. If the product model is no longer available and cannot be repaired effectively or replaced with an identical model, Klipsch at its sole option may replace the unit with a current model of equal or greater value. In some cases, modification to the mounting surface may be required where a new model is substituted. Klipsch assumes no responsibility or liability for such modification. To obtain a repair or replacement under the terms of this warranty, please contact our customer service group at 1-800-KLIPSCH. You will be required to submit a copy of the original receipt via fax or email. The receipt must reflect that you are the original purchaser, the product was bought from an authorized Klipsch retailer, and the product is still within warranty. You will be issued a return authorization number (RA#) and asked to ship the defective product, together with proof of purchase and RA#, prepaid insured to the address set forth Klipsch 137 Heampstead #278 Hope, AR 71801. Freight collect shipments will be refused. Risk of loss or damage in transit is to be borne by the purchaser. Once Klipsch receives the defective product, a repair or replacement order will be initiated.

### Limitations:

- This limited warranty does not cover failure of the product resulting from improper installation, misuse, abuse, accident, neglect, mishandling, or wear from ordinary use or environmental deterioration.
- This limited warranty does not cover cosmetic damage, including paint damage, or consequential damage to other components or premises which may result for any reason from the failure of the product.
- This limited warranty is null and void for products not used in accordance with Klipsch's instructions.
- This limited warranty is null and void for products with altered or missing serial numbers and for products not purchased from an authorized dealer.
- This limited warranty terminates if you sell or otherwise transfer this product to another party.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE, JURISDICTION TO JURISDICTION OR COUNTRY TO COUNTRY. KLIPSCH'S RESPONSIBILITY FOR MALFUNCTIONS AND DEFECTS IN HARDWARE IS LIMITED TO REPLACEMENT OR REPAIR AS SET FORTH IN THIS WARRANTY STATEMENT. FOR CANADIAN CUSTOMERS, KLIPSCH DISCLAIMS ALL OTHER WARRANTIES AND CONDITIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, FOR THE PRODUCT. FOR U.S. CUSTOMERS, ALL EXPRESS AND IMPLIED WARRANTIES FOR THE PRODUCT, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN TIME TO THE TERM OF THIS WARRANTY. SOME STATES, JURISDICTIONS OR COUNTRIES DO NOT ALLOW THE EXCLUSION OF CERTAIN IMPLIED WARRANTIES OR CONDITIONS, OR LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY OR CONDITIONS LASTS, SO THIS LIMITATION MAY NOT APPLY TO YOU. KLIPSCH DOES NOT ACCEPT LIABILITY FOR SPECIAL, INDIRECT, CONSEQUENTIAL OR INCIDENTAL DAMAGES, INCLUDING WITHOUT LIMITATION, ANY LIABILITY FOR THIRD PARTY CLAIMS AGAINST YOU FOR DAMAGES OR FOR PRODUCTS NOT BEING AVAILABLE FOR USE. THE MAXIMUM LIABILITY FOR WHICH KLIPSCH MAY BE RESPONSIBLE WILL BE NO MORE THAN THE AMOUNT YOU PAID FOR THE PRODUCT THAT IS THE SUBJECT OF THE CLAIM. SOME STATES, JURISDICTIONS OR COUNTRIES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

## Warranty Outside the U.S. and Canada

The Warranty on this product if it is sold to a consumer outside of the United States and Canada shall comply with applicable law. To obtain any applicable warranty service, please contact the dealer from which you purchased this product, or the distributor that supplied this product.

## FCC and Canada Compliance Information

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Approved under the verification provision of FCC Part 15 as a Class B Digital Device.

Caution: Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this device.

This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada

## EU Compliance Information

Eligible to bear the CE mark, Conforms to European Union Low Voltage Directive 73/23/EEC and 2006/95/EC; Conforms to European Union EMC Directives 89/336/EEC and 2004/108/EC.

## WEEE Notice

Note: This mark applies only to countries within the European Union (EU) and Norway.



This application is labeled in accordance with European Directive 2002/96/EC concerning waste electrical and electronic equipment (WEEE). This label indicates that this product should not be disposed of with household waste. It should be deposited at an appropriate facility to enable recovery and recycling.

**THX and the THX logo are trademarks of THX Ltd. which may be registered in some jurisdictions. All rights reserved.**